

Science GE DOK Alignment Chart

HUMAN BODY

Grades 5-6

GE 40-42

DOK & NECAP Release Item Codes	GE Statement with Ceiling DOK	Science Concepts	Examples/Practice Items
Enduring Knowledge: The human body is unique in its heredity, body systems and development, and can be affected by the environment.			
DOK 1 LS1(5-8) POC -3	S5-6:40 (DOK 1) Students demonstrate their understanding of Human Heredity by... <ul style="list-style-type: none"> Identifying that an offspring's traits are determined by combining the sex cells (female egg and male sperm) of the parents. 	Science Concepts: a. Organisms can reproduce sexually when a female egg cell is fertilized by a male sperm cell to produce an offspring that has the traits of both parents.	
DOK 2 LS1(5-8) SAE + FAF-2 LS1(5-8) FAF-4	S5-6:41 (DOK 2) Students demonstrate their understanding of Human Body Systems by... <ul style="list-style-type: none"> Investigating circumstances that affect more than one body system and explaining the interconnected relationship among the body systems (e.g., the effects of exercise on several interdependent body systems, such as respiratory, circulatory, digestive, nervous, skeletal systems). 	Science Concepts: a. The digestive, respiratory and circulatory systems are connected. - The digestive system processes the food that cells need. - The excretory system disposes of cellular waste and the intestinal tract removes solid waste. - The respiratory system exchanges oxygen and carbon dioxide. - The circulatory system moves all these substances to and from the cells. b. A change in one system can have an effect on other systems. (e.g., exercise changing heart rate and breathing rate).	
DOK 2 LS1(5-8) SAE + FAF-2	S5-6:42 (DOK 2) Students demonstrate their understanding of the Patterns of Human Health/Disease by... <ul style="list-style-type: none"> Explaining the specialized function of white blood cells in the circulatory system 	Science Concepts: a. White blood cells engulf invading microbes or produce antibodies that attack them.	

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GE 43

DOK & NECAP Release Item Codes	GE Statement with Ceiling DOK	Science Concepts	Examples/Practice Items
Enduring Knowledge: The human body is unique in its heredity, body systems and development, and can be affected by the environment.			
DOK 2 LS4(5-8) POC-12 DOK 2 LS4(5-8) INQ + POC -11	S5-6:43 (DOK 2) Students demonstrate their understanding of the Patterns of Human Development by... Drawing/diagramming/modeling the life span of humans in a timeline highlighting major points in the cycle (e.g., one cell grows into a many-celled embryo , composed of different types of cells--grows into a fetus --baby is born--grows into a toddler--grows into a child--grows into a teenager--grows into an adult). AND • Explaining what occurs in the fertilization processes and early embryo development (e.g., sperm + egg combine to produce a new individual).	Science Concepts: a. Following fertilization , cell division produces a small cluster of cells that then differentiate by appearance and function to form the basic tissues and organs of an embryo , which eventually grows into an adult organism.	